

Oshi et al. “A novel 4-gene score to predict pathologically complete (R0) resection and survival in pancreatic cancer”

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Table S1. Comparison of clinical and pathological features between low and high 4-gene score with pancreatic cancer in the TCGA cohort. .

TCGA (n = 176)	Low (88)	High (88)	p-value
Age			0.602
Median	66	65	
IQR	58-72	57-73	
Race			0.450
White	80	75	
Black	2	4	
Asian	4	7	
Unknown	2	2	
Histological type			0.112
PDAC*	68	77	
Other	20	11	
Tumor site			0.68
Body/Tail	15	13	
Head	66	71	
Unknown	7	4	
T-category			0.017
T1	3	4	
T2	18	5	
T3	64	77	
T4	1	2	
Unknown	2	0	
N-category			0.178
N-	28	21	
N+	55	67	
Unknown	5	0	
M-category			1.00
M-	36	42	
M+	2	2	
Unknown	50	44	

*PDAC: pancreatic ductal adenocarcinoma.

Table S2: Comparison of pathological features between low and high 4-gene score with pancreatic cancer in the GSE62452 cohort. .

GSE62452 (n = 69)	Low (34)	High (35)	p-value
Grade			0.024
1	2	0	
2	21	14	
3	10	20	
unknown	1	1	
Stage			0.706
I	3	1	
II	23	23	
III	5	8	
IV	3	3	
Unknown	0	0	

Table S3. Comparison of pathological feature between low and high 4-gene score with pancreatic cancer in the GSE57495 cohort. .

GS57495 (n = 63)	Low (31)	High (32)	p-value
Stage			0.889
I	0	2	
IB	7	5	
IIA	8	9	
IIB	26	17	
Unknown	0	0	

Table S4. Pancreatic cancer cell lines.

Primary	Metastasis
BXPC3	ASPC1
CAPAN2	CAPAN1
HPAC	CFPAC1
KP2	HPAFII
MIAPACA2	HS766T
PANC0203	HUPT3
PANC0327	HUPT4
PANC0403	KP3
PANC0504	KP4
PANC0813	L33
PANC1005	PATU8988S
PATU8902	PATU8988T
PK45H	PK1
PSN1	PK59
QGP1	SNU410
SW1990	SU8686
	SUIT2
	TCCPAN2
	YAPC

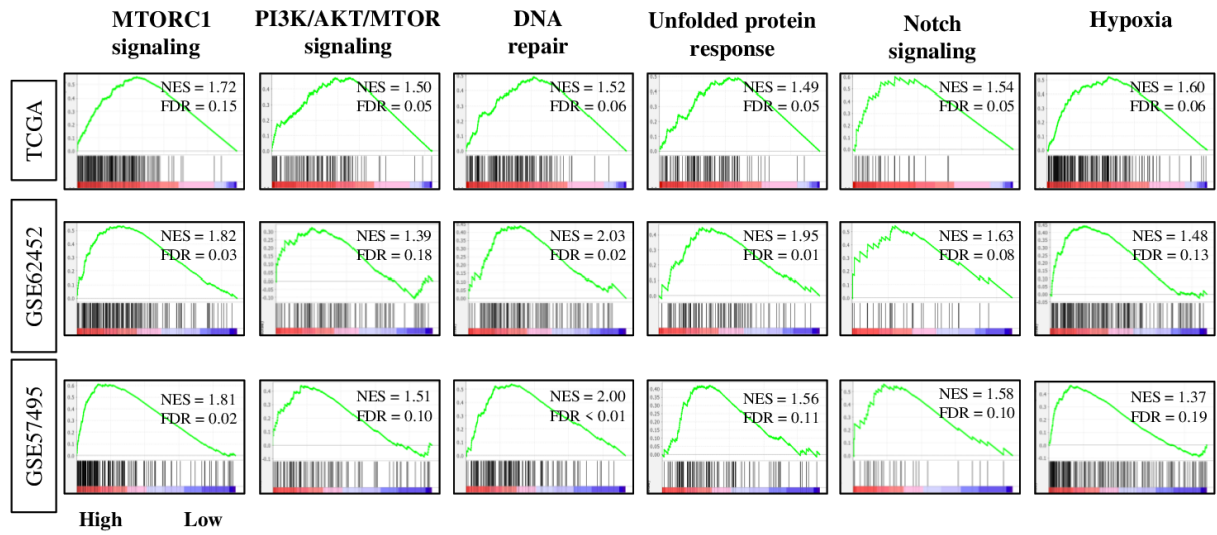


Figure S1. Gene set enrichment analysis (GSEA) of high 4-gene score pancreatic cancer in the TCGA, GSE62452, and GSE57495 cohorts. Enrichment plots along with normalized enrichment score (NES) and false discovery rate (FDR) are shown for cancer aggressiveness-related Hallmark gene sets, including MTORC1 signaling, PI3K/AKT/MTOR signaling, DNA repair, unfolded protein response, notch signaling, and hypoxia. NES and FDR were determined with the classical GSEA method, where $FDR < 0.25$ is considered significant.